ENCLOSURE

NRC COMMENTS ON WORK PLAN FOR
PONDS 6, 7, 8 AND 9 CLOSURE INVESTIGATION AT
FANSTEEL METALS, MUSKOGEE, OKLAHOMA
NOVEMBER 27, 1991

Hydrogeologic Impacts

The locations for the four proposed monitoring wells should be identified on a map.

The isotopic analysis of all samples should determine the total uranium and thorium concentrations.

The five current wells which will be sampled should be identified by number.

Fansteel should identify the laboratory that will do the radiological isotope analysis. Once this laboratory is identified, NRC staff will coordinate the quality assurance aspects of these analyses by having the NRC contractor, Oak Ridge Associated Universities, (ORAU), split samples with Fansteel's contractor laboratory for confirmatory analysis.

Surface Water Impacts

The locations for the two proposed surface water samples should be identified on a map.

Characterization of Materials Within Impoundments 6, 7, 8 and 9

In order to determine if the total uranium and thorium concentrations in the samples are significant, radiological background needs to be determined per the Remedial Assessment Work Plan. Concentrations of total uranium and thorium in the samples should be reviewed by the NRC before pond closure begins. The NRC staff may also have ORAU staff confirm Fansteel and Earth Sciences, Inc., characterization data.